

Listing of Claims:

1. (currently amended) A feature rights management system, comprising:
a feature rights server having a repository for storing feature keys, the feature keys representing activation rights for features;
a chassis comprising a plurality of card slots and a common backplane bus for connecting cards among the slots to one another;
a system manager card operatively disposed in a slot of a chassis, the system manager card comprising a feature rights management agent operatively coupled to the feature rights server to receive feature keys from the feature rights server, to store feature rights in a repository, and to identify available feature units provided; and
a sub-agentplurality of application cards operatively disposed in a plurality of slots of at least one chassis, each application card operatively coupled to the feature rights management agentsystem manager card over the common backplane bus to request feature rights from the feature rights management agent, wherein the feature rights management agent allocates the feature units among requesting sub-agentsplurality of application cards over the common backplane bus.
2. (currently amended) A feature rights management system according to claim 1, wherein the feature rights management agents and the feature rights server transfer rights between the feature rights management agents and the server in the form of keys; and wherein the sub-agentapplication cards and the feature rights management agent transfer rights between the sub-agentapplication cards and the feature rights management agent in the form of permissions.

3. (original) A feature rights management system according to claim 2,

wherein a connection between the feature rights management agents and the feature rights server is un-trusted; and

wherein a connection between the sub-agents and the feature rights management agent is trusted.

4. (currently amended) A feature rights management system according to claim 2, wherein the sub-agentapplication card requests permissions for feature rights from the feature rights management agent upon provisioning.

5. (currently amended) A feature rights management system according to claim 4,

wherein the feature rights management agent comprises a memory for storing a number of unallocated feature units; and

wherein the feature rights management agent requests keys for features from the feature rights server when the number of unallocated feature units is deficient to meet the needs of a request for permissions by a sub-agentapplication card.

6. (currently amended) A feature rights management system according to claim 3,

wherein the sub-agentapplication card releases a feature unit by sending a release message to the feature rights management agent; and

wherein the feature rights management agent increases its number of available feature units in response to the release message.

7. (original) A feature rights management system according to claim 3, wherein the feature management agent releases feature keys from a feature rights management agent and moves feature rights keys to the feature rights server.

8. (original) A feature rights management system according to claim 1, wherein each feature key comprises a plurality of feature rights including a) feature units, b) a feature category, and c) a distribution node identifier.

9. (original) A feature rights management system according to claim 9, wherein each feature unit designates how many instances of a feature category is permitted within a domain of a distribution node identified by the distribution node identifier.

10. (original) A feature rights management system according to claim 8, wherein the feature keys are of at least two kinds of keys: network keys destined to the feature rights server and element keys destined for the feature rights management agent.

11. (cancelled)

12. (cancelled)

13. (cancelled)

14. (cancelled)

15. (cancelled)

16. (cancelled)

17. (cancelled)

18. (cancelled)

19. (currently amended) A feature rights management apparatus capable of managing feature keys and permissions representing activation rights for features, comprising:

a chassis comprising a plurality of card slots and a common backplane bus for connecting cards among the slots to one another;

a system manager card operatively disposed in a slot of a chassis, the system manager card comprising a feature rights management agent operatively coupled to a feature rights server to receive feature keys, to store feature rights in a repository, and to identify available feature units provided; and

a sub-agentplurality of application cards operatively disposed in a plurality of slots of at least one chassis, each application card operatively coupled to the feature rights management agentsystem manager card over the common backplane bus to request feature rights from the feature rights management agent, wherein the feature rights management agent allocates the feature units among requesting sub-agentsplurality of application cards over the common backplane bus.

20. (currently amended) A feature rights management apparatus according to claim 19, wherein the feature rights management agent and the feature rights server transfer rights between themselves in the form of keys; and

wherein the sub-agentapplication cards and the feature rights management agent transfer rights between themselves in the form of permissions.

21. (currently amended) A feature rights management apparatus according to claim 20, wherein a connection between the feature rights management agent and the feature rights server is un-trusted; and

wherein a connection between the sub-agentapplication cards and the feature rights management agent is trusted.

22. (currently amended) A feature rights management apparatus according to claim 20, wherein the sub-agentapplication card requests permissions for feature rights from the feature rights management agent upon provisioning.

23. (currently amended) A feature rights management system according to claim 22,

wherein the feature rights management agent comprises a memory for storing a number of unallocated feature units; and

wherein the feature rights management agent requests keys for features from the feature rights server when the number of unallocated feature units is deficient to meet the needs of a request for permissions by a sub-agentapplication card.

24. (currently amended) A feature rights management apparatus according to claim 20,

wherein the sub-agentapplication card releases a feature unit by sending a release message to the feature rights management agent; and

wherein the feature rights management agent increases its number of available feature units in response to the release message.

25. (original) A feature rights management apparatus according to claim 20, wherein the feature management agent releases feature keys from a feature rights management agent and moves feature rights keys to the feature rights server.

26. (original) A feature rights management apparatus according to claim 19, wherein each feature key comprises a plurality of feature rights including a) feature units, b) a feature category, and c) a distribution node identifier.

27. (original) A feature rights management apparatus according to claim 26, wherein each feature unit designates how many instances of a feature category is permitted within a domain of a distribution node identified by the distribution node identifier.

28. (original) A feature rights management apparatus according to claim 26,

wherein the feature keys are of at least two kinds of keys: network keys destined to the feature rights server and element keys destined for the feature rights management agent;

wherein, the distribution node identifier of an element key identifies a domain of an identified feature rights management agent, and

wherein the distribution node identifier of a network key identifies a domain of an identified feature management server.

29. (cancelled)

30. (new) A feature rights management system according to claim 8, wherein the features comprise telecommunication features.

31. (new) A feature rights management system according to claim 1, wherein the common backplane bus of the chassis is a trusted bus.

32. (new) A feature rights management system according to claim 1, wherein the common backplane bus of the chassis connects the plurality of application cards to the system manager card over a trusted intra-card bus.

33. (new) A feature rights management system according to claim 1, wherein the features comprise telecommunication features.

34. (new) A feature rights management system according to claim 1, wherein the features comprise prepaid billing.
35. (new) A feature rights management apparatus according to claim 19, wherein the common backplane bus of the chassis is a trusted bus.
36. (new) A feature rights management apparatus according to claim 19, wherein the common backplane bus of the chassis connects the plurality of application cards to the system manager card over a trusted intra-card bus.
37. (new) A feature rights management apparatus according to claim 19, wherein the features comprise telecommunication features.
38. (new) A feature rights management apparatus according to claim 19, wherein the features comprise prepaid billing.